The information in this report is required by 14 CRF 108.17 & 129.26. Failure to report may result in a civil penalty not to exceed $1000.00 For each such violation. (Federal Aviation Act of 1958, Section 901)

Department of Transportation Federal Aviation Administration	X-RAY SYSTEM RADIATION LEAKAGE REPORT (BAGGAGE INSPECTION) *(Require by 14 CRF 108.17, 14 CRF 129.26)*	FIELD TEST SERIAL NO. 11-7 T	Form Approved OMB No. 2120-0098

AA	1.1 Name and Address of Facility and Specific Location of X-ray System	Name of Facility *(18.80)*: PHILADELPHIA	FDA Region: PA	BB	St. No. R.R. or Airline/Airport *(10.80)*: 8800 ESSINGTON AVE
CC		City *(10.73)*: PHILADELPHIA			State Code: PA; Zip Code: 19153
DD		Room No. or Other Location of System *(10.32)*: A-East Lane 7	Person Interview *(33-54)*: [redacted]		Telephone No.: [redacted]
		Certification Label Present: Yes	Instruments: *(type and serial number)* Model: 451P		Serial No. 479
01	1.2 Manufacture And Product ID	A. Manufacture *(Responsible Firm)*: Rapiscan Security Products, Inc.	B. 0HU46 *Mfr. Code*		C. System Model No. and/or Name: RAPISCAN 522
		D. 11SV 60HZ Unique I.D.	E. System Serial No. 7014706		
		F. Date of Manufacture: Mo. 11 Yr. 2001	1.4 Operator Instructions Available: Yes		1.5 Maintenance Schedule Available: Yes
	2.0 Warning Labels	2.1 Warning Label Present at Controls Stating: "Caution: X-Rays Produced When Energized": Yes	2.2 Warning Labels Present at Ports Stating: "Caution: Do Not Insert Any Part of the Body When System is Energized, X-Ray Hazard": Yes		2.3 Two Indicators Labeled "X-Ray On" Present at Controls *(One May Be Labeled 'mA Meter')*: Yes
02	Indicators	2.4 At Least One Indicator, X-Ray Marked "X-Ray On", Visible from Each Port, Door, And Access Panel: Yes	3.0 Interlocks		3.1 "Captured Key" Control: Yes
	3.2 Door Safety Inter-Locks	A. Minimum Number of Interlocks Visible At Any One Door	3.3 Prevention of X-Radiation By Interlocks		A. All Doors and Access Panels That Were Tested Prevent Generation of X-Radiation
		B. At Least One Interlock Dependent on No Moving Part Except Door			B. Use of X-Ray Control Necessary to Resume Operation Following Interruption
	4.0 Ports and/or Apertures	4.1 Some Part of the Body Can Be Inserted Through a Port Into The Primary Beam: No			4.2 Some Part of the Body Can Be Inserted Into the Aperture: No
	6.0 Baggage Inspection Systems	6.1 Means Provided to Ensure Operator Presence at the Control Area: Yes			6.2 Means Provided to Operator for Terminating Exposures of Greater than One-Half Second and Preventing: Yes
03	7.0 Leakage Radiation	Specific Test Procedure Used: 04	7.1 Scatter Block Description: PELICAN 1400 CASE		
05	7.2 Technical Factures	138 kVp			.700 mA

7.3 Location Exposure Levels	Non-Continuously Activated Systems Only Number of Exposures Initiated		Location Exposure Levels	Non-Continuously Activated Systems Only Number of Exposures Initiated
.072 mR/hr	Exp	06	.047 mR/hr	exp
.058 mR/hr	Exp		.046 mR/hr	exp
.055 mR/hr	exp		.042 mR/hr	exp
.054 mR/hr	exp		.038 mR/hr	exp

07	Reasonable Number of Exposures That May Be Initiated In One Hour	OR	Duty Cycle of System Indicated As a Percentage of One Hour: 100%
08	8.0 Additional Information 8.1 172 uR		
09	8.2		
10	8.3		
11	8.4		
12	8.5 Main Beam Intensity = 178uR		
13	Surveyor Information	Surveyor Name *(10.72) (Print: L. E. MI)*: [redacted]	Surveyor Signature: [redacted]
	Date of Survey: 1/28/10	Surveying Agency Code	

Remarks:

FAA Form 185-17 (6-81)

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PM 2856358

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